

# Amar H Flood

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3719440/publications.pdf>

Version: 2024-02-01

167  
papers

12,916  
citations

25034

57  
h-index

24982

109  
g-index

184  
all docs

184  
docs citations

184  
times ranked

8801  
citing authors

#	ARTICLE	IF	CITATIONS
1	Linear Artificial Molecular Muscles. Journal of the American Chemical Society, 2005, 127, 9745-9759.	13.7	660
2	Click chemistry generates privileged CH hydrogen-bonding triazoles: the latest addition to anion supramolecular chemistry. Chemical Society Reviews, 2010, 39, 1262.	38.1	573
3	Autonomous artificial nanomotor powered by sunlight. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 1178-1183.	7.1	460
4	CHEMISTRY: Enhanced: Whence Molecular Electronics?. Science, 2004, 306, 2055-2056.	12.6	453
5	A reversible molecular valve. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 10029-10034.	7.1	452
6	Pure C <sub>6</sub> H <sub>6</sub> Hydrogen Bonding to Chloride Ions: A Preorganized and Rigid Macrocyclic Receptor. Angewandte Chemie - International Edition, 2008, 47, 2649-2652.	13.8	413
7	A pentagonal cyanostar macrocycle with cyanostilbene CH donors binds anions and forms dialkylphosphate [3]rotaxanes. Nature Chemistry, 2013, 5, 704-710.	13.6	345
8	Operating Molecular Elevators. Journal of the American Chemical Society, 2006, 128, 1489-1499.	13.7	280
9	High hopes: can molecular electronics realise its potential?. Chemical Society Reviews, 2012, 41, 4827.	38.1	277
10	Strong, Size-Selective, and Electronically Tunable C <sup>+</sup> H <sup>-</sup> Halide Binding with Steric Control over Aggregation from Synthetically Modular, Shape-Persistent [3+4]Triazolophanes. Journal of the American Chemical Society, 2008, 130, 12111-12122.	13.7	268
11	A Mechanical Actuator Driven Electrochemically by Artificial Molecular Muscles. ACS Nano, 2009, 3, 291-300.	14.6	241
12	Can terdentate 2,6-bis(1,2,3-triazol-4-yl)pyridines form stable coordination compounds?. Chemical Communications, 2007, , 2692.	4.1	239
13	Meccano on the Nanoscale—A Blueprint for Making Some of the World's Tiniest Machines. Australian Journal of Chemistry, 2004, 57, 301.	0.9	228
14	Flipping the Switch on Chloride Concentrations with a Light-Active Foldamer. Journal of the American Chemical Society, 2010, 132, 12838-12840.	13.7	227
15	Ground-State Equilibrium Thermodynamics and Switching Kinetics of Bistable [2]Rotaxanes Switched in Solution, Polymer Gels, and Molecular Electronic Devices. Chemistry - A European Journal, 2006, 12, 261-279.	3.3	216
16	Active Molecular Plasmonics: Controlling Plasmon Resonances with Molecular Switches. Nano Letters, 2009, 9, 819-825.	9.1	213
17	Molecular-Mechanical Switch-Based Solid-State Electrochromic Devices. Angewandte Chemie - International Edition, 2004, 43, 6486-6491.	13.8	210
18	A nanomechanical device based on linear molecular motors. Applied Physics Letters, 2004, 85, 5391-5393.	3.3	210

#	ARTICLE	IF	CITATIONS
19	Structures and Properties of Self-Assembled Monolayers of Bistable [2]Rotaxanes on Au (111) Surfaces from Molecular Dynamics Simulations Validated with Experiment. Journal of the American Chemical Society, 2005, 127, 1563-1575.	13.7	202
20	A Redox-Driven Multicomponent Molecular Shuttle. Journal of the American Chemical Society, 2007, 129, 12159-12171.	13.7	180
21	Templated Synthesis of Interlocked Molecules. Topics in Current Chemistry, 0, , 203-259.	4.0	176
22	The Role of Physical Environment on Molecular Electromechanical Switching. Chemistry - A European Journal, 2004, 10, 6558-6564.	3.3	170
23	Hydrophobic Collapse of Foldamer Capsules Drives Picomolar-Level Chloride Binding in Aqueous Acetonitrile Solutions. Journal of the American Chemical Society, 2013, 135, 14401-14412.	13.7	169
24	Chloride capture using a C-H hydrogen-bonding cage. Science, 2019, 365, 159-161.	12.6	167
25	Collaborative routes to clarifying the murky waters of aqueous supramolecular chemistry. Nature Chemistry, 2018, 10, 8-16.	13.6	143
26	Dipole-Promoted and Size-Dependent Cooperativity between Pyridyl-Containing Triazolophanes and Halides Leads to Persistent Sandwich Complexes with Iodide. Journal of the American Chemical Society, 2008, 130, 17293-17295.	13.7	139
27	Anion Binding in Solution: Beyond the Electrostatic Regime. Chem, 2017, 3, 411-427.	11.7	129
28	Functionally Rigid Bistable [2]Rotaxanes. Journal of the American Chemical Society, 2007, 129, 960-970.	13.7	125
29	Plug-and-Play Optical Materials from Fluorescent Dyes and Macrocycles. Chem, 2020, 6, 1978-1997.	11.7	124
30	Supramolecular Self-Assembly of Dendronized Polymers: A Reversible Control of the Polymer Architectures through Acid-Base Reactions. Journal of the American Chemical Society, 2006, 128, 10707-10715.	13.7	119
31	Intramolecular Hydrogen Bonds Preorganize an Aryl-triazole Receptor into a Crescent for Chloride Binding. Organic Letters, 2010, 12, 2100-2102.	4.6	119
32	Thermally and Electrochemically Controllable Self-Complexing Molecular Switches. Journal of the American Chemical Society, 2004, 126, 9150-9151.	13.7	116
33	Anions Stabilize Each Other inside Macrocyclic Hosts. Angewandte Chemie - International Edition, 2016, 55, 14057-14062.	13.8	115
34	Mechanical Shuttling of Linear Motor-Molecules in Condensed Phases on Solid Substrates. Nano Letters, 2004, 4, 2065-2071.	9.1	111
35	A Photoactive Molecular Triad as a Nanoscale Power Supply for a Supramolecular Machine. Chemistry - A European Journal, 2005, 11, 6846-6858.	3.3	106
36	Molecular Dynamics Simulation of Amphiphilic Bistable [2]Rotaxane Langmuir Monolayers at the Air/Water Interface. Journal of the American Chemical Society, 2005, 127, 14804-14816.	13.7	102

#	ARTICLE	IF	CITATIONS
37	Shuttling Dynamics in an Acid-Base-Switchable [2]Rotaxane. ChemPhysChem, 2005, 6, 2145-2152.	2.1	99
38	Aromatic and Aliphatic CH Hydrogen Bonds Fight for Chloride while Competing Alongside Ion Pairing within Triazolophanes. Chemistry - A European Journal, 2011, 17, 312-321.	3.3	98
39	Nanoelectronic devices from self-organized molecular switches. Applied Physics A: Materials Science and Processing, 2005, 80, 1197-1209.	2.3	95
40	An Electrochemical Color-Switchable RGB Dye: A Tristable [2]Catenane. Journal of the American Chemical Society, 2005, 127, 15994-15995.	13.7	95
41	Allosteric Control of Photofoldamers for Selecting between Anion Regulation and Double-to-Single Helix Switching. Journal of the American Chemical Society, 2018, 140, 17711-17723.	13.7	90
42	Towards a Rational Design of Molecular Switches and Sensors from their Basic Building Blocks. , 0, , 99-132.		87
43	Shape persistence delivers lock-and-key chloride binding in triazolophanes. Chemical Communications, 2012, 48, 5065.	4.1	82
44	Photoresponsive receptors for binding and releasing anions. Journal of Physical Organic Chemistry, 2013, 26, 79-86.	1.9	78
45	Multifunctional Tricarbazo Triazolophane Macrocycles: One-Pot Preparation, Anion Binding, and Hierarchical Self-Organization of Multilayers. Chemistry - A European Journal, 2016, 22, 560-569.	3.3	74
46	Structural Evidence of Mechanical Shuttling in Condensed Monolayers of Bistable Rotaxane Molecules. Angewandte Chemie - International Edition, 2005, 44, 7035-7039.	13.8	70
47	Toward Electrochemically Controllable Tristable Three-Station [2]Catenanes. Chemistry - an Asian Journal, 2007, 2, 76-93.	3.3	70
48	Triazolophanes: A New Class of Halide-Selective Ionophores for Potentiometric Sensors. Analytical Chemistry, 2010, 82, 368-375.	6.5	70
49	Supramolecular Regulation of Anions Enhances Conductivity and Transference Number of Lithium in Liquid Electrolytes. Journal of the American Chemical Society, 2018, 140, 10932-10936.	13.7	70
50	Versatile Self-Complexing Compounds Based on Covalently Linked Donor-Acceptor Cyclophanes. Chemistry - A European Journal, 2005, 11, 369-385.	3.3	69
51	Electrostatic and Allosteric Cooperativity in Ion-Pair Binding: A Quantitative and Coupled Experimental Theory Study with Aryl-Triazole Ether Macrocycles. Journal of the American Chemical Society, 2015, 137, 9746-9757.	13.7	69
52	Recognition and applications of anion-anion dimers based on anti-electrostatic hydrogen bonds (AEHBs). Chemical Society Reviews, 2020, 49, 7893-7906.	38.1	69
53	Tunable Adhesion from Stoichiometry-Controlled and Sequence-Defined Supramolecular Polymers Emerges Hierarchically from Cyanostar-Stabilized Anion-Anion Linkages. Journal of the American Chemical Society, 2020, 142, 2579-2591.	13.7	68
54	Bilability is Defined when One Electron is Used to Switch between Concerted and Stepwise Pathways in Cu(I)-Based Bistable [2/3]Pseudorotaxanes. Journal of the American Chemical Society, 2010, 132, 1665-1675.	13.7	64

#	ARTICLE	IF	CITATIONS
55	Langmuir and Langmuir <sup>2</sup> Blodgett Films of Amphiphilic Bistable Rotaxanes. <i>Langmuir</i> , 2004, 20, 5809-5828.	3.5	63
56	Phosphate <sup>2-</sup> phosphate oligomerization drives higher order co-assemblies with stacks of cyanostar macrocycles. <i>Chemical Science</i> , 2018, 9, 2863-2872.	7.4	63
57	Reduction of a Redox-Active Ligand Drives Switching in a Cu(I) Pseudorotaxane by a Bimolecular Mechanism. <i>Journal of the American Chemical Society</i> , 2009, 131, 1305-1313.	13.7	62
58	Two levels of conformational pre-organization consolidate strong CH hydrogen bonds in chloride <sup>-</sup> triazolophane complexes. <i>Chemical Communications</i> , 2011, 47, 5979.	4.1	60
59	Sequence-Controlled Stimuli-Responsive Single <sup>2-</sup> Double Helix Conversion between 1:1 and 2:2 Chloride-Foldamer Complexes. <i>Journal of the American Chemical Society</i> , 2018, 140, 15477-15486.	13.7	59
60	Quantifying the working stroke of tetrathiafulvalene-based electrochemically-driven linear motor-molecules. <i>Chemical Communications</i> , 2006, , 144-146.	4.1	58
61	Linear Supramolecular Polymers Driven by Anion <sup>2-</sup> Anion Dimerization of Difunctional Phosphonate Monomers Inside Cyanostar Macrocycles. <i>Journal of the American Chemical Society</i> , 2019, 141, 4980-4989.	13.7	57
62	$\pi^2$ -Sheet-like Hydrogen Bonds Interlock the Helical Turns of a Photoswitchable Foldamer To Enhance the Binding and Release of Chloride. <i>Journal of Organic Chemistry</i> , 2014, 79, 8383-8396.	3.2	56
63	Ion Pairing and Co <sup>2-</sup> facial Stacking Drive High <sup>2-</sup> Fidelity Bisulfate Assembly with Cyanostar Macrocyclic Hosts. <i>Chemistry - A European Journal</i> , 2017, 23, 10652-10662.	3.3	56
64	Polarized Naphthalimide CH Donors Enhance Cl <sup>-</sup> Binding within an Aryl-Triazole Receptor. <i>Organic Letters</i> , 2011, 13, 6260-6263.	4.6	55
65	Two Classes of Alongside Charge-Transfer Interactions Defined in One [2]Catenane. <i>Journal of the American Chemical Society</i> , 2007, 129, 7354-7363.	13.7	54
66	Anion-induced dimerization of 5-fold symmetric cyanostars in 3D crystalline solids and 2D self-assembled crystals. <i>Chemical Communications</i> , 2014, 50, 9827.	4.1	54
67	Extreme Stabilization and Redox Switching of Organic Anions and Radical Anions by Large-Cavity, CH Hydrogen-Bonding Cyanostar Macrocycles. <i>Journal of the American Chemical Society</i> , 2016, 138, 15057-15065.	13.7	53
68	Flexibility Coexists with Shape-Persistence in Cyanostar Macrocycles. <i>Journal of the American Chemical Society</i> , 2016, 138, 4843-4851.	13.7	53
69	Interconverting Two Classes of Architectures by Reduction of a Self <sup>2-</sup> Sorting Mixture. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4628-4632.	13.8	52
70	Strong CH <sup>2-</sup> ... $\pi$ ...Halide Hydrogen Bonds from 1,2,3 $\pi$ -Triazoles Quantified Using Pre <sup>2-</sup> Organized and Shape <sup>2-</sup> Persistent Triazolophanes. <i>ChemPhysChem</i> , 2009, 10, 2535-2540.	2.1	50
71	Size-matched recognition of large anions by cyanostar macrocycles is saved when solvent-bias is avoided. <i>Chemical Communications</i> , 2016, 52, 8683-8686.	4.1	50
72	Mechanistic Evaluation of Motion in Redox-Driven Rotaxanes Reveals Longer Linkers Hasten Forward Escapes and Hinder Backward Translations. <i>Journal of the American Chemical Society</i> , 2014, 136, 6373-6384.	13.7	48

#	ARTICLE	IF	CITATIONS
73	Selective Anion-Induced Crystal Switching and Binding in Surface Monolayers Modulated by Electric Fields from Scanning Probes. ACS Nano, 2014, 8, 10858-10869.	14.6	48
74	High-Fidelity Multistate Switching with Anion-Anion and Acid-Anion Dimers of Organophosphates in Cyanostar Complexes. Angewandte Chemie - International Edition, 2017, 56, 13083-13087.	13.8	48
75	An Overlooked yet Ubiquitous Fluoride Congenitor: Binding Bifluoride in Triazolophanes Using Computer-Aided Design. Journal of the American Chemical Society, 2014, 136, 5078-5089.	13.7	47
76	A tristable [2]pseudo[2]rotaxane. Chemical Communications, 2010, 46, 871.	4.1	46
77	Ion-Selective Electrodes Based on a Pyridyl-Containing Triazolophane: Altering Halide Selectivity by Combining Dipole-Promoted Cooperativity with Hydrogen Bonding. Analytical Chemistry, 2011, 83, 3455-3461.	6.5	45
78	Turning on Resonant SERRS Using the Chromophore-Plasmon Coupling Created by Host-Guest Complexation at a Plasmonic Nanoarray. Journal of the American Chemical Society, 2010, 132, 6099-6107.	13.7	44
79	Powering a Supramolecular Machine with a Photoactive Molecular Triad. Small, 2004, 1, 87-90.	10.0	43
80	Locking down the Electronic Structure of (Monopyrrolo)tetrathiafulvalene in [2]Rotaxanes. Organic Letters, 2006, 8, 2205-2208.	4.6	43
81	Models of charge transport and transfer in molecular switch tunnel junctions of bistable catenanes and rotaxanes. Chemical Physics, 2006, 324, 280-290.	1.9	43
82	π-Stacking Enhanced Dynamic and Redox-Switchable Self-Assembly of Donor-Acceptor Metallo-[2]Catenanes from Diimide Derivatives and Crown Ethers. Chemistry - A European Journal, 2008, 14, 10211-10218.	3.3	43
83	Molecular Logic Gates Using Surface-Enhanced Raman-Scattered Light. Journal of the American Chemical Society, 2011, 133, 7288-7291.	13.7	43
84	Interfacial Supramolecular Structures of Amphiphilic Receptors Drive Aqueous Phosphate Recognition. Journal of the American Chemical Society, 2019, 141, 7876-7886.	13.7	42
85	Probing the Nature of the Redox Products and Lowest Excited State of [(bpy)2Ru(1/4-bptz)Ru(bpy)2]4+: A Resonance Raman Study. European Journal of Inorganic Chemistry, 2002, 2002, 554-563.	2.0	41
86	From Atomic to Molecular Anions: A Neutral Receptor Captures Cyanide Using Strong C≡N-H Hydrogen Bonds. Chemistry - A European Journal, 2011, 17, 9123-9129.	3.3	41
87	Using Molecular Force to Overcome Steric Barriers in a Springlike Molecular Ouroboros**. Advanced Functional Materials, 2007, 17, 751-762.	14.9	39
88	Multiplying the electron storage capacity of a bis-tetrazine pincer ligand. Dalton Transactions, 2014, 43, 6513-6524.	3.3	39
89	Quantifying chloride binding and salt extraction with poly(methyl methacrylate) copolymers bearing aryl-triazoles as anion receptor side chains. Chemical Communications, 2014, 50, 13285-13288.	4.1	39
90	A high-yield synthesis and acid-base response of phosphate-templated [3]rotaxanes. Chemical Communications, 2016, 52, 13675-13678.	4.1	39

#	ARTICLE	IF	CITATIONS
91	Switching Surface Chemistry with Supramolecular Machines. <i>Langmuir</i> , 2007, 23, 31-34.	3.5	38
92	Ion-Pair Oligomerization of Chromogenic Triangulenium Cations with Cyanostar-Modified Anions That Controls Emission in Hierarchical Materials. <i>Journal of the American Chemical Society</i> , 2017, 139, 6226-6233.	13.7	37
93	Vibrational Spectra of Dipyrro[3,2-a:2'-c]phenazine and Its Radical Anion Analyzed by Ab Initio Calculations and Deuteration Studies. <i>Bulletin of the Chemical Society of Japan</i> , 2002, 75, 933-942.	3.2	33
94	Modelling triazolophane-halide binding equilibria using SIVU analysis of UV-vis titration data recorded under medium binding conditions. <i>Supramolecular Chemistry</i> , 2009, 21, 111-117.	1.2	33
95	How to print a crystal structure model in 3D. <i>CrystEngComm</i> , 2014, 16, 5488-5493.	2.6	33
96	Preparation of Cyclobis(paraquat-p-phenylene)-Based [2]Rotaxanes Without Flexible Glycol Chains. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6093-6097.	13.8	32
97	Pinpointing the Extent of Electronic Delocalization in the Re(I)-to-Tetrazine Charge-Separated Excited State Using Time-Resolved Infrared Spectroscopy. <i>Journal of the American Chemical Society</i> , 2009, 131, 11656-11657.	13.7	32
98	Creating molecular macrocycles for anion recognition. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 611-627.	2.2	32
99	Cyanostar: C-H Hydrogen Bonding Neutral Carrier Scaffold for Anion-Selective Sensors. <i>Analytical Chemistry</i> , 2018, 90, 1925-1933.	6.5	32
100	Polarity-Tolerant Chloride Binding in Foldamer Capsules by Programmed Solvent-Exclusion. <i>Journal of the American Chemical Society</i> , 2021, 143, 3191-3204.	13.7	32
101	Determination of Binding Strengths of a Host-Guest Complex Using Resonance Raman Scattering. <i>Journal of Physical Chemistry A</i> , 2009, 113, 9450-9457.	2.5	31
102	Quantification of the $\pi$ - $\pi$ Interactions that Govern Tertiary Structure in Donor-Acceptor [2]Pseudorotaxanes. <i>Journal of the American Chemical Society</i> , 2012, 134, 3857-3863.	13.7	31
103	Zero-Overlap Fluorophores for Fluorescent Studies at Any Concentration. <i>Journal of the American Chemical Society</i> , 2020, 142, 12167-12180.	13.7	30
104	Macromolecular Crystallography for Synthetic Abiological Molecules: Combining xMDFF and PHENIX for Structure Determination of Cyanostar Macrocycles. <i>Journal of the American Chemical Society</i> , 2015, 137, 8810-8818.	13.7	29
105	Arginine-Phosphate Recognition Enhanced in Phospholipid Monolayers at Aqueous Interfaces. <i>Journal of Physical Chemistry C</i> , 2018, 122, 26362-26371.	3.1	29
106	Ultrabright Fluorescent Organic Nanoparticles Based on Small-Molecule Ionic Isolation Lattices**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9450-9458.	13.8	29
107	1,2,3-Triazoles and the Expanding Utility of Charge Neutral CH $\cdots$ Anion Interactions. <i>Topics in Heterocyclic Chemistry</i> , 2010, , 341-366.	0.2	28
108	The Effect of Reduction on Rhenium(I) Complexes with Binaphthyridine and Biquinoline Ligands: A Spectroscopic and Computational Study. <i>Journal of Physical Chemistry A</i> , 2005, 109, 3745-3753.	2.5	26



#	ARTICLE	IF	CITATIONS
109	Binding Anions in Rigid and Reconfigurable Triazole Receptors. Topics in Heterocyclic Chemistry, 2012, , 85-107.	0.2	26
110	Anions Stabilize Each Other inside Macrocyclic Hosts. Angewandte Chemie, 2016, 128, 14263-14268.	2.0	25
111	Host-Host Interactions Control Self-assembly and Switching of Triple and Double Decker Stacks of Tricarbazole Macrocycles Co-assembled with anti-Electrostatic Bisulfate Dimers. Chemistry - A European Journal, 2018, 24, 9841-9852.	3.3	24
112	Anion effects on the cyclobis(paraquat-p-phenylene) host. Chemical Communications, 2012, 48, 5157.	4.1	23
113	Thermodynamic Signatures of the Origin of <i>Anti</i> -Hofmeister Selectivity for Phosphate at Aqueous Interfaces. Journal of Physical Chemistry A, 2020, 124, 5621-5630.	2.5	23
114	Bond elongation in the anion radical of coordinated tetrazine ligands: A crystallographic, spectroscopic and computational study of a reduced {Re(CO)3Cl} complex. Inorganica Chimica Acta, 2011, 374, 620-626.	2.4	22
115	C vs N: Which End of the Cyanide Anion Is a Better Hydrogen Bond Acceptor?. Journal of Physical Chemistry A, 2014, 118, 7418-7423.	2.5	22
116	Sequence-Defined Macrocycles for Understanding and Controlling the Build-up of Hierarchical Order in Self-Assembled 2D Arrays. Journal of the American Chemical Society, 2019, 141, 17588-17600.	13.7	22
117	Revealing the Hidden Costs of Organization in Host-Guest Chemistry Using Chloride-Binding Foldamers and Their Solvent Dependence. Journal of the American Chemical Society, 2022, 144, 1274-1287.	13.7	22
118	Anion-Binding Macrocycles Operate Beyond the Electrostatic Regime: Interaction Distances Matter. Chemistry - A European Journal, 2018, 24, 14409-14417.	3.3	20
119	A stereodynamic and redox-switchable encapsulation-complex containing a copper ion held by a tris-quinoliny basket. Chemical Communications, 2012, 48, 4429.	4.1	19
120	Inchworm movement of two rings switching onto a thread by biased Brownian diffusion represent a three-body problem. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9391-9396.	7.1	19
121	Programmed Negative Allostery with Guest-Selected Rotamers Control Anion-Anion Complexes of Stackable Macrocycles. Journal of the American Chemical Society, 2018, 140, 7773-7777.	13.7	19
122	Multi-state amine sensing by electron transfers in a BODIPY probe. Organic and Biomolecular Chemistry, 2020, 18, 431-440.	2.8	19
123	Living on the edge: Tuning supramolecular interactions to design two-dimensional organic crystals near the boundary of two stable structural phases. Journal of Chemical Physics, 2015, 142, 101914.	3.0	18
124	Electron localisation in electrochemically reduced mono- and bi-nuclear rhenium(i) complexes with bridged polypyridyl ligands. Dalton Transactions RSC, 2002, , 1180.	2.3	17
125	Synthesis and electronic properties of mononuclear osmium(II) and rhenium(I) complexes containing ligands derived from [2,3-a:3â <sup>2</sup> ,2â <sup>2</sup> -c]dipyridophenazine (ppb). Polyhedron, 2004, 23, 1427-1439.	2.2	17
126	Nanometer-Sized Reactor-A Porphyrin-Based Model System for Anion Species. Chemistry - A European Journal, 2011, 17, 7499-7505.	3.3	16



#	ARTICLE	IF	CITATIONS
127	Double Switching of Two Rings in Palindromic [3]Pseudorotaxanes: Cooperativity and Mechanism of Motion. <i>Inorganic Chemistry</i> , 2016, 55, 3767-3776.	4.0	16
128	Revealing the chromophoric composition of multichromophoric polypyridyl complexes of Re(I) and Os(II): a resonance Raman study. <i>Journal of Raman Spectroscopy</i> , 2002, 33, 434-442.	2.5	14
129	Pressure effects in the synthesis of isomeric rotaxanes. <i>Chemical Communications</i> , 2013, 49, 5936.	4.1	14
130	Metal-to-ligand charge-transfer excited-states in binuclear copper(I) complexes. Tuning MLCT excited-states through structural modification of bridging ligands. A resonance Raman study. <i>Dalton Transactions RSC</i> , 2000, , 121-127.	2.3	13
131	Molecular Recognition and Hydration Energy Mismatch Combine To Inform Ion Binding Selectivity at Aqueous Interfaces. <i>Journal of Physical Chemistry A</i> , 2020, 124, 10171-10180.	2.5	10
132	Chain Entropy Beats Hydrogen Bonds to Unfold and Thread Dialcohol Phosphates inside Cyanostar Macrocycles To Form [3]Pseudorotaxanes. <i>Journal of Organic Chemistry</i> , 2021, 86, 4532-4546.	3.2	10
133	Self-assembly snapshots of a 2D copper(I) grid. <i>Supramolecular Chemistry</i> , 2014, 26, 267-279.	1.2	9
134	Enhanced detection of explosives by turn-on resonance Raman upon host-guest complexation in solution and the solid state. <i>Chemical Communications</i> , 2017, 53, 10918-10921.	4.1	9
135	Nanoporous Thin Films Formed from Photocleavable Diblock Copolymers on Gold Substrates Modified with Thiolate Self-Assembled Monolayers. <i>Langmuir</i> , 2020, 36, 9259-9268.	3.5	9
136	Rigidity and Flexibility in Rotaxanes and Their Relatives; On Being Stubborn and Easy-Going. <i>Frontiers in Chemistry</i> , 2022, 10, 856173.	3.6	9
137	Amphiphile self-assembly dynamics at the solution-solid interface reveal asymmetry in head/tail desorption. <i>Chemical Communications</i> , 2018, 54, 10076-10079.	4.1	8
138	High-Fidelity Multistate Switching with Anion-Anion and Acid-Anion Dimers of Organophosphates in Cyanostar Complexes. <i>Angewandte Chemie</i> , 2017, 129, 13263-13267.	2.0	7
139	Salts accelerate the switching kinetics of a cyclobis(paraquat- <i>p</i> -phenylene) [2]rotaxane. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 2432-2441.	2.8	7
140	Solution-Mediated Annealing Pathways Are Critical for Supramolecular Ordering of Complex Macrocycles at Surfaces. <i>Journal of Physical Chemistry C</i> , 2020, 124, 6689-6699.	3.1	7
141	Anion-Selective Electrodes Based On a CH-Hydrogen Bonding Bis-macrocyclic Ionophore with a Clamshell Architecture. <i>Analytical Chemistry</i> , 2021, 93, 5412-5419.	6.5	7
142	Recognition competes with hydration in anion-triggered monolayer formation of cyanostar supra-amphiphiles at aqueous interfaces. <i>Chemical Science</i> , 2022, 13, 4283-4294.	7.4	7
143	Ionic manipulation of charge-transfer and photodynamics of [60]fullerene confined in pyrrolo-tetrathiafulvalene cage. <i>Chemical Communications</i> , 2017, 53, 9898-9901.	4.1	6
144	Quantitative Energy Transfer in Organic Nanoparticles Based on Small-Molecule Ionic Isolation Lattices for UV Light Harvesting. <i>ACS Applied Nano Materials</i> , 2022, 5, 13887-13893.	5.0	6

#	ARTICLE	IF	CITATIONS
145	Rhenium carbonyl complexes of 2,6-diazaanthracene-9,10-dione(daad): spectroelectrochemistry of BrRe(CO) <sub>4</sub> daad. Journal of Organometallic Chemistry, 2003, 675, 57-64.	1.8	5
146	Template-Directed Syntheses of Configurable and Reconfigurable Molecular Switches. Synthesis, 2005, 2005, 3437-3445.	2.3	5
147	Thinking inside and outside the box. Nature Chemistry, 2010, 2, 349-350.	13.6	5
148	Cages Driven Away from Equilibrium Binding by Electric Fields. Chem, 2019, 5, 1017-1019.	11.7	5
149	ATR Infrared Spectroelectrochemistry of the Reduction Products of Anthraquinone Sulfonates in Aqueous Solutions. Applied Spectroscopy, 2000, 54, 496-501.	2.2	4
150	Physical and chemical model of ion stability and movement within the dynamic and voltage-gated STM tipâ€“surface tunneling junction. Faraday Discussions, 2017, 204, 159-172.	3.2	4
151	Receptor Induced Doping of Conjugated Polymer Transistors: A Strategy for Selective and Ultrasensitive Phosphate Detection in Complex Aqueous Environments. Advanced Electronic Materials, 2022, 8, .	5.1	4
152	From Cyclophanes to Molecular Machines. , 2005, , 485-518.		3
153	Cis- and trans-bis(2-cyanoethylsulfanyl)(decane-1,10-diyl)dithio)tetrathiafulvalene. Acta Crystallographica Section C: Crystal Structure Communications, 2006, 62, o677-o680.	0.4	3
154	Quantifying the barrier for the movement of cyclobis(paraquat-p-phenylene) over the dication of monopyrrolotetrathiafulvalene. Organic and Biomolecular Chemistry, 2022, , .	2.8	3
155	Supramolecular effects in self-assembled monolayers: general discussion. Faraday Discussions, 2017, 204, 123-158.	3.2	2
156	Supramolecular systems at liquidâ€“solid interfaces: general discussion. Faraday Discussions, 2017, 204, 271-295.	3.2	2
157	Ultrabright Fluorescent Organic Nanoparticles Based on Smallâ€“Molecule Ionic Isolation Lattices**. Angewandte Chemie, 2021, 133, 9536-9544.	2.0	2
158	Individual development plans â€“ experiences made in graduate student training. Analytical and Bioanalytical Chemistry, 2021, 413, 5681-5684.	3.7	2
159	Meccano on the Nanoscale â€“ A Blueprint for Making Some of the Worldâ€™s Tiniest Machines. ChemInform, 2004, 35, no.	0.0	1
160	Bimetallic Bis-anion Cascade Complexes of Magnesium in Nonaqueous Solution. Inorganic Chemistry, 2020, 59, 5939-5948.	4.0	1
161	2,6-Diazaanthracene-9,10-dione and its Radical Anionâ€“ A Structural and Spectroscopic Investigation. Australian Journal of Chemistry, 2003, 56, 607.	0.9	1
162	Nano Meccano. , 2006, , 193-214.		0

#	ARTICLE	IF	CITATIONS
163	Molecular Muscle based Nano-Electro-Mechanical-Systems (NEMS). , 2009, , .		0
164	Molecular active plasmonics: controlling plasmon resonances with molecular machines. Proceedings of SPIE, 2009, , .	0.8	0
165	Preparing macromolecular systems on surfaces: general discussion. Faraday Discussions, 2017, 204, 395-418.	3.2	0
166	Frontispiece: Ultrabright Fluorescent Organic Nanoparticles Based on Smallâ€Molecule Ionic Isolation Lattices. Angewandte Chemie - International Edition, 2021, 60, .	13.8	0
167	Frontispiz: Ultrabright Fluorescent Organic Nanoparticles Based on Smallâ€Molecule Ionic Isolation Lattices. Angewandte Chemie, 2021, 133, .	2.0	0